

Notice of Allowability	Application No.	Applicant(s)	
	09/610,749	CHENG ET AL.	
	Examiner	Art Unit	
	ALEXANDER BOAKYE	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/22/05.
2. ☒ The allowed claim(s) is/are 1,3,4,5,6,7,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,30,31,32,33,34,35,38,36; renumbered as 1-34 respectively.
3. ☒ The drawings filed on 06 July 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 1, 3-7, 9-28, 30-36 and 38 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims. As to claims 1 and 3, the prior art of record does not teach transmitting, in response to receiving the first message, a second message from the second device to the first device, the second message including second information indicating a length of a sequence number field included in each of a second plurality of transmission frames; receiving the second message at the first transceiving device; storing in response to receiving the second message, the second information in the first device; transmitting the second plurality of transmission frames from the second device; and receiving the second plurality of transmission frames at the first transceiving device, and processing each sequence number field of the second plurality of transmission frames according to the second information stored in the first device.

As to claims 4-6, the prior art of record does not teach a receiver for receiving a message from the base station, the message including information indicating the length of a sequence number included in each of a sequence of transmission frames, the receive further for receiving the sequence of transmission frames, subsequent to

receiving the message; and a controller coupled to the receiver and the memory device, the controller for receiving the information from the receiver, storing the information in the memory device, and processing each sequence number field of the sequence of transmission frames according to the information.

As to claim 7 the prior art of record does not teach prior to transmitting data, exchanging communications control information between the mobile station and the base station, the control information comprising a first field for specifying a length of a variable length data frame sequence; storing the exchanged information in both the mobile station and the base station; and subsequently transmitting frames of data in accordance with the stored information. As to claims 9-12, the prior art of record does not teach a receiver for receiving a message from the base station, the message including information indicating a maximum number of retransmission requests to be transmitted from the mobile station for a transmission frame missing from a sequence of transmission frames, the receiver further for receiving the sequence of transmission frames, subsequent to receiving the message.

As to claims 13-16 and 24-27, the prior art of record does not teach receiving a message from the base station, the message including information indicating a maximum number of retransmission requests to be transmitted from the mobile station for a transmission frame missing from a sequence of transmission frames; and processing and initiating retransmission requests according to the information. As to claims 17-19, the prior art of record does not teach a receiver for receiving a message from the mobile station, the message including information indicating the length a

sequent number included in each of a sequent of transmission frames, the receiver further for receiving the sequence of transmission frames, subsequent to receiving the message; a controller coupled to the receiver and the memory device, the controller for receiving the information from the receiver, storing the information in the memory device, and processing each sequence number field of the sequence of transmission frames according to the information.

As to claims 20-23, the prior art of record does not teach a receiver for receiving a message from the mobile station, the message including information indicating a maximum number of retransmission requests to be transmitted from the base station for a transmission frame missing from a sequence of transmission frames, the receiver further for receiving the sequence of transmission frames, subsequent to receiving the message; a controller coupled to the receiver and the memory device, the controller for receiving the information from the receiver, storing the information in the memory device, and processing and initiating retransmission requests according to the information. As to claims 28 and 30, the prior art of record does not teach transmitting data from the mobile station in a second sequence of transmission frames; and transmitting a second message prior to transmitting the second sequence of transmission frames, the second message including information indicating the length of a sequence number in each of the second sequence of transmission frames.

As to claims 31-33, the prior art of record does not teach transmitting data from the base station in a second sequence of transmission frames; and transmitting a second message prior to transmitting the second sequence of transmission frames,

wherein the second message includes information indicating the length of a sequence number included in each of the second sequence of transmission frames. As to claims 34, 35, 36 and 38, the prior art of record does not teach transmitting data from the device in a second sequence of transmission frames; transmitting a second message prior to transmitting the second sequence of transmission frames, wherein the second message includes information indicating the length of a sequence number included in each of the second sequence of transmission frames. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The fax number is (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Electronic Business Center numbers 866-217-9197 and 703-305-3028.


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Art Unit: 2667

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Alexander Boakye

Patent Examiner

AB
1/06/06


CHI PHAM
SUPERVISORY PATENT EXAMINER
1/9/06